

The diagram illustrates a liquid supply system for a liquid jet recording head. The system includes a liquid supply unit 10, a liquid jet recording head 80, and a waste liquid line 50. The liquid supply unit 10 consists of a mixing box 85, valves V1, V2, V3, V4, and V5, and a waste liquid line 50. The liquid supply unit 10 is connected to the liquid jet recording head 80 via a liquid supply line 11. The head 80 contains three liquid chambers 81, 82, and 82, each with a liquid jet nozzle 83. The chambers are filled with pure water (hot), liquid chemical 1 (hot), and liquid chemical 2 (hot), respectively. The system is designed to supply liquid to the head and to collect waste liquid from the head.

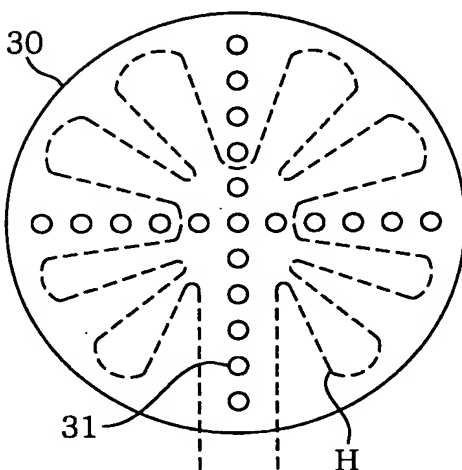
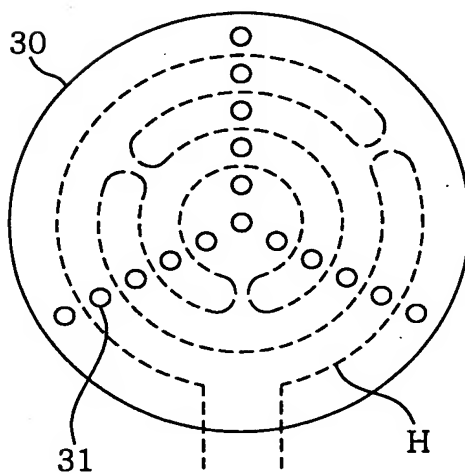
FIG. 2A**FIG. 2B**

FIG. 3

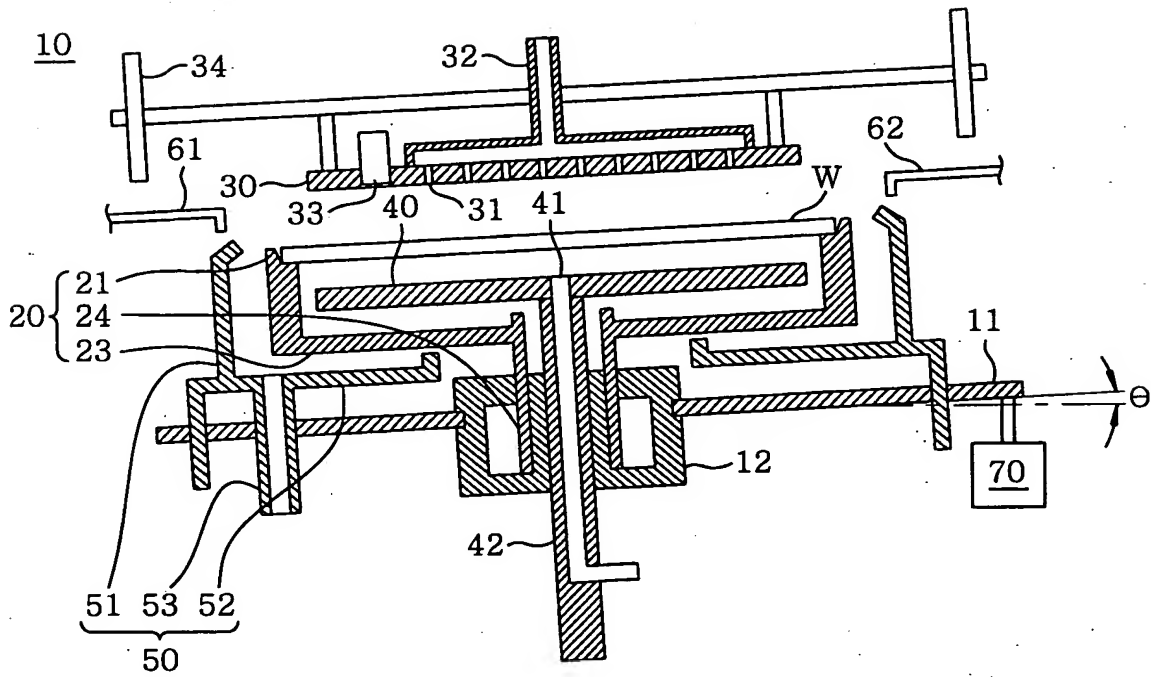


FIG. 4

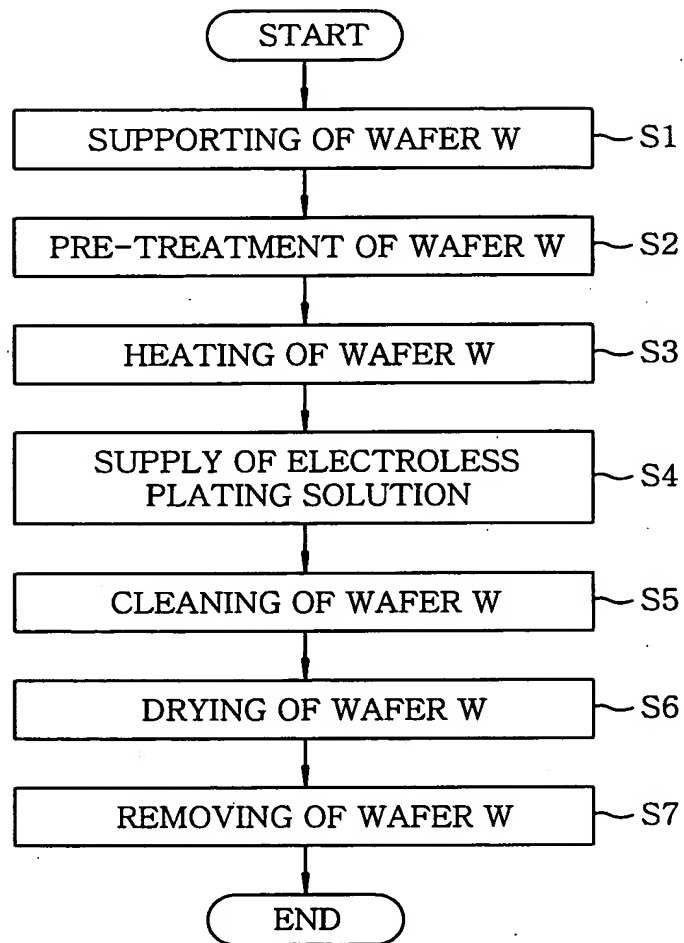


FIG. 5

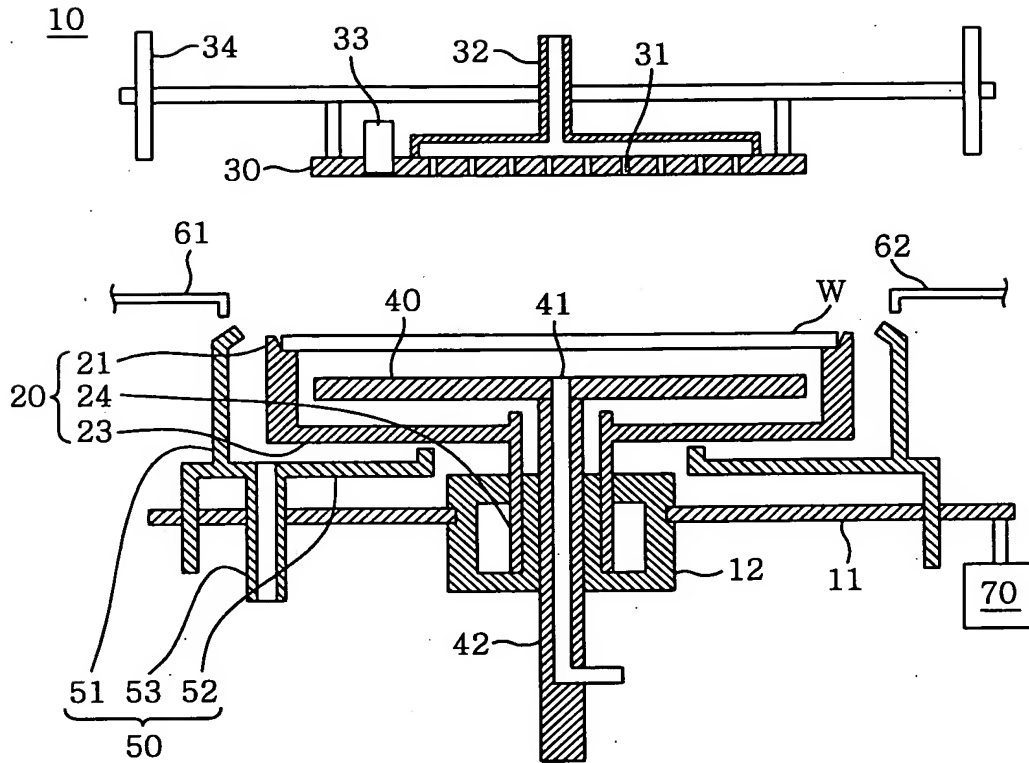


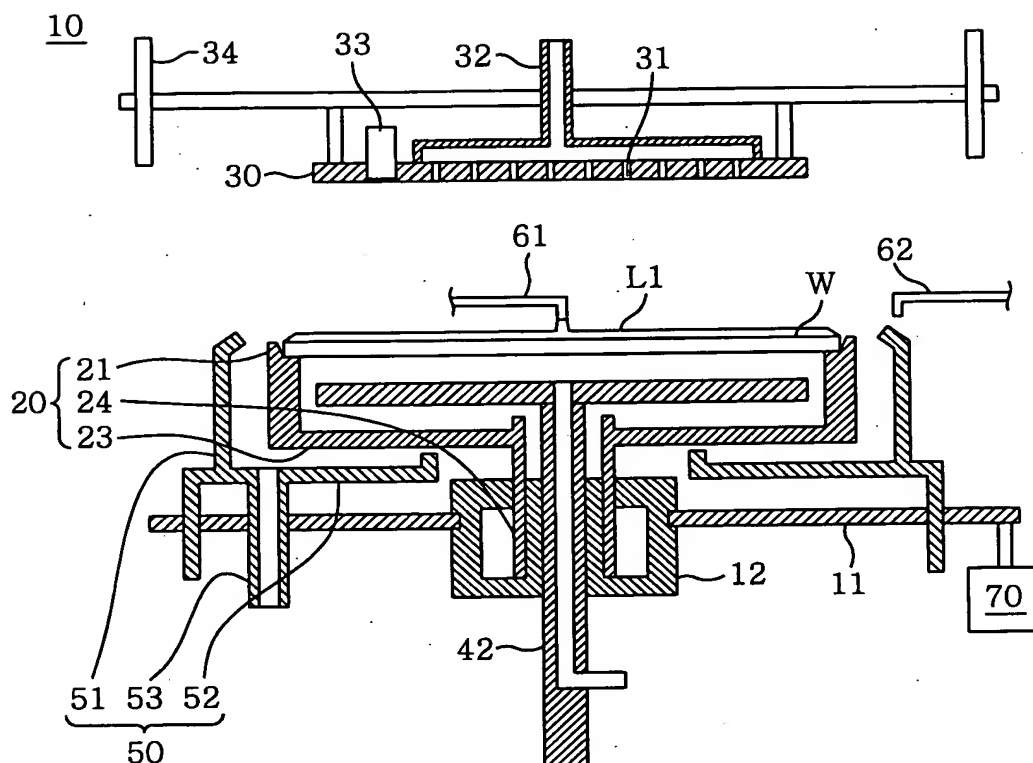
FIG. 6

FIG. 7

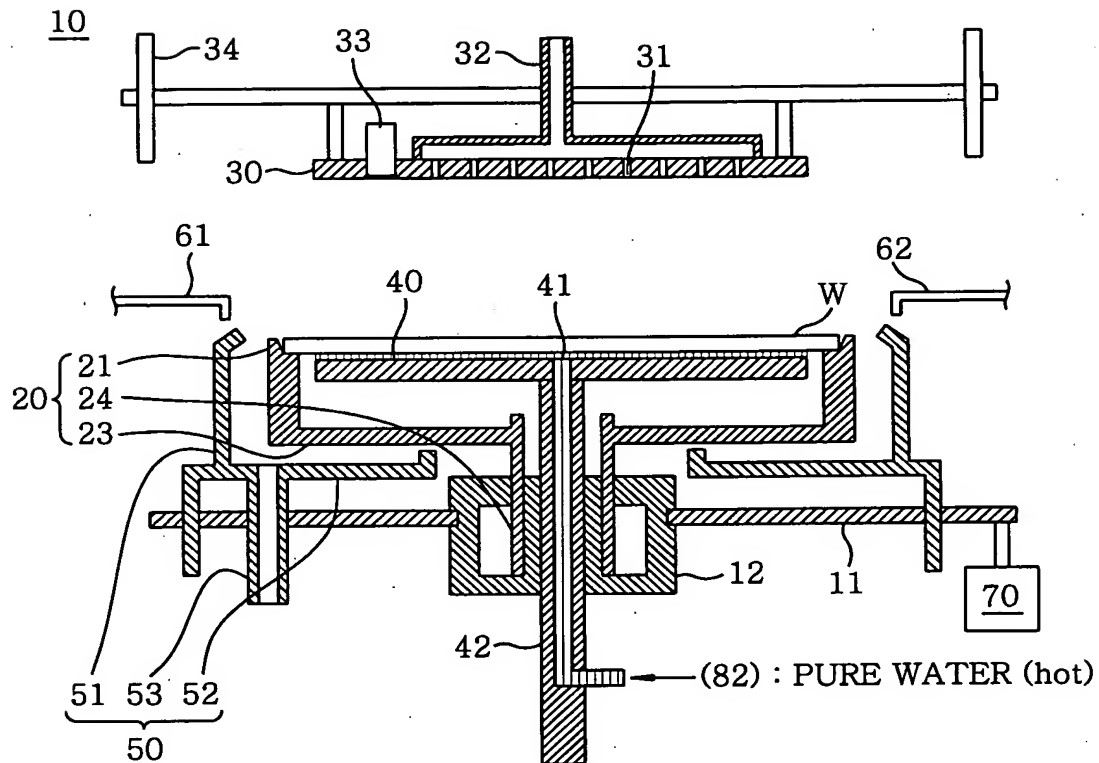


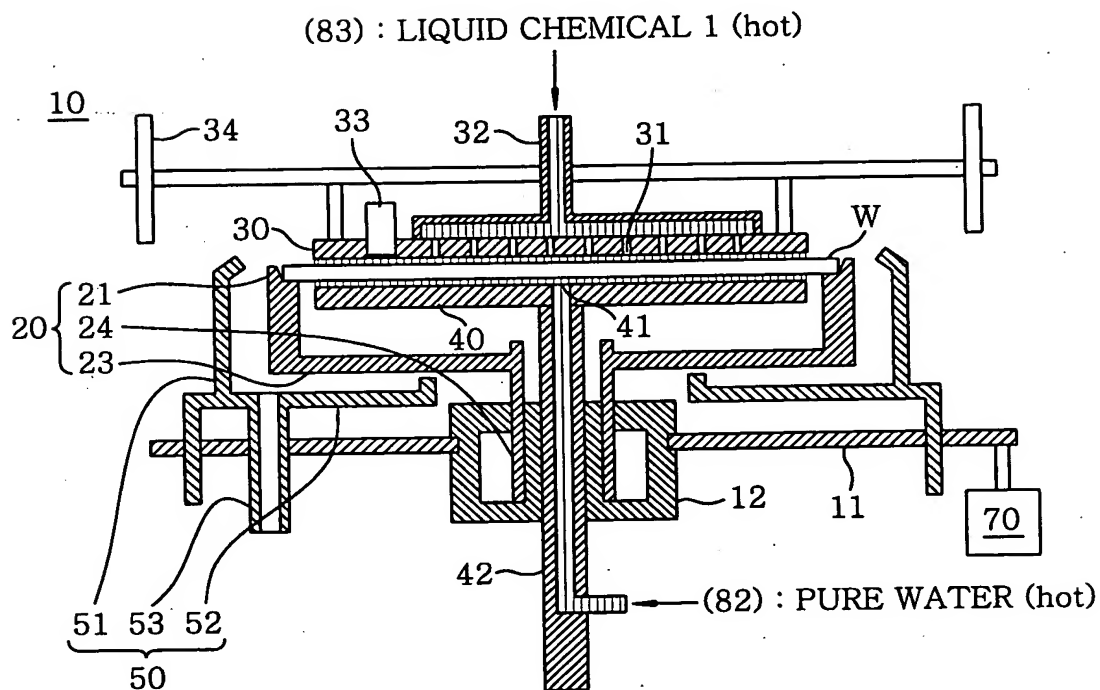
FIG. 8

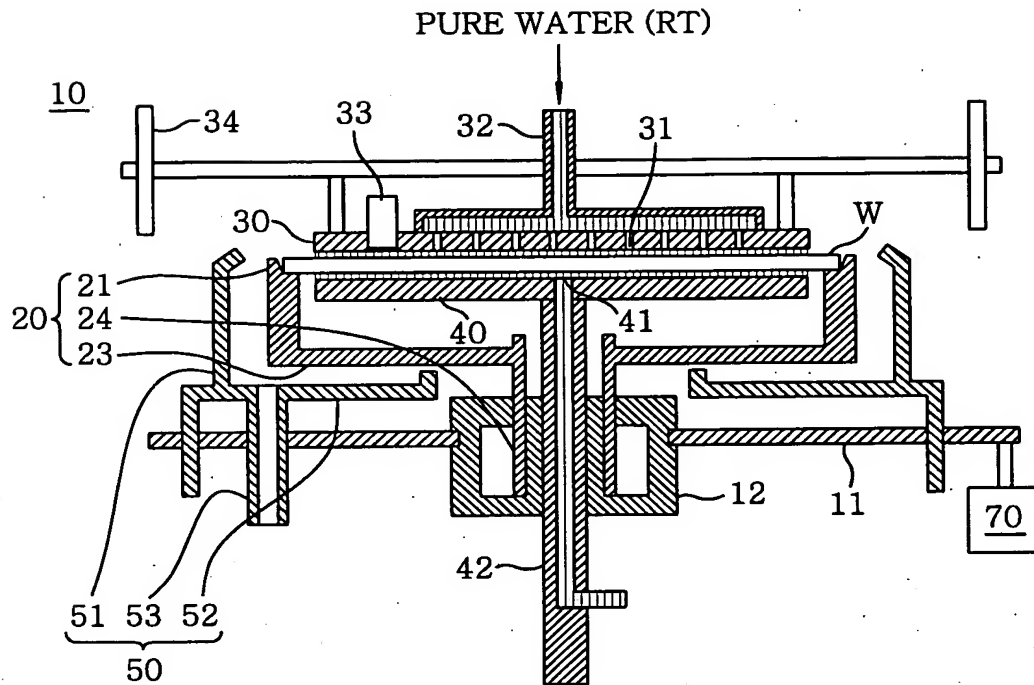
FIG. 9

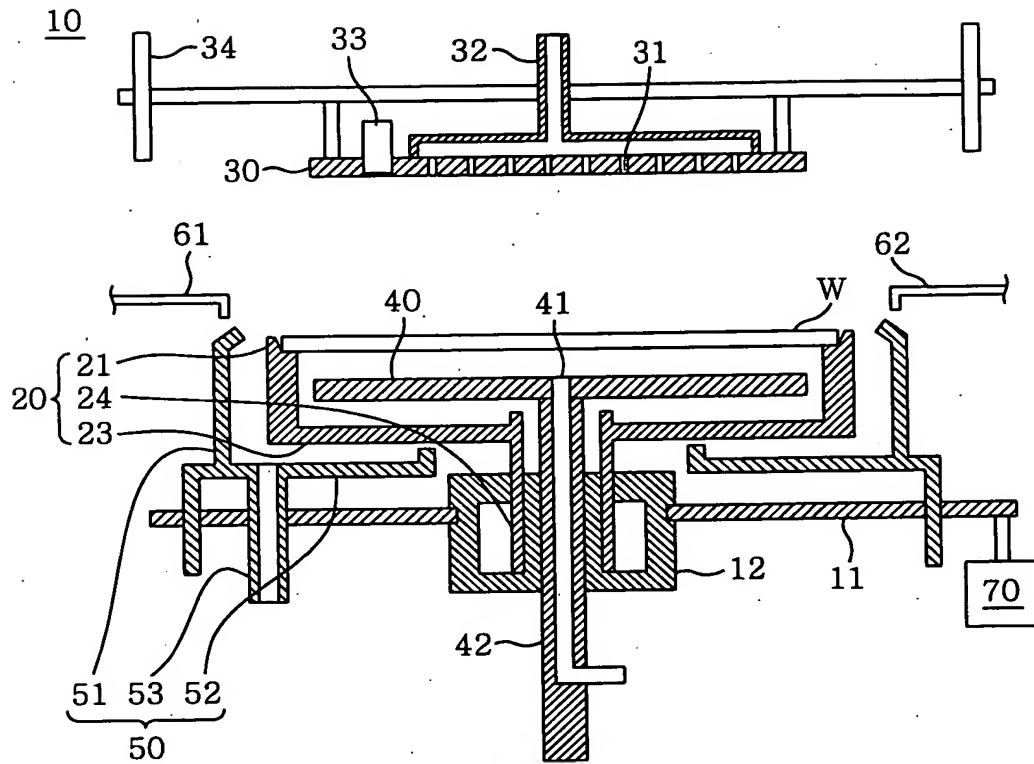
FIG. 10

FIG. 11